

# Panther-08HP-Tri

8 Channel Tribrid 1080P 1U Digital Video Recorder



- Embedded processor
- H.264 dual-stream video compression
- Supports HD AVS/CVBS/IP video inputs
- Max 2 channels IP camera inputs, each channel up to 1080P
- ONVIF Version 2.3 conformance
- Support 2 SATA HDD up to 8TB, 2USB2.0

## System Overview

Clearview's Panther-08HP-Tri utilizes HD AVS technology, an over-coaxial-cable analog HD video transmission standard, allowing long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation.

It supports a total combination of 8 channels HD AVS/ CVBS inputs or 2 IP cameras up to 1080P. The display supports 1/4/8/9 split local live-view channels, and 1/4/9 playback channels.

The internal storage includes 2 SATA Ports, up to 8TB capacity for each disk. Its open architecture supports multi-user access and is compatible with ONVIF devices.

## H.264

Like all Clearview and IC Realtime series products, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability.

## Functions

### Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. The HD-AVS system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

### Flexible Recording

The AVR offers a variety of configurable recording options and schedule that saves HDD space and active monitoring time. The recorder monitors incoming video and can be programmed to record if motion is detected or if an alarm is triggered. The recorder can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras..

## Technical Specification

### System

|                  |                    |
|------------------|--------------------|
| Main Processor   | Embedded Processor |
| Operating System | Embedded LINUX     |

### Video

|                    |                                             |
|--------------------|---------------------------------------------|
| IP Video Input     | 2, each channel up to 6MP (2 coax disabled) |
| Analog Video Input | 8                                           |
| CVBS Standard      | PAL/NTSC                                    |

### Audio

|              |                                    |
|--------------|------------------------------------|
| Input        | 4 Channel input, RCA               |
| Output       | 1 Channel output, RCA              |
| Two-way Talk | Reuse audio in(channel 1)/out, RCA |

### Display

|               |                                                                          |
|---------------|--------------------------------------------------------------------------|
| Interface     | 1 HDMI ,1 VGA                                                            |
| Resolution    | 1920×1080, 1280×1024, 1280×720, 1024×768                                 |
| Display Split | 1/4/8/9                                                                  |
| OSD           | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |

### Recording

|                         |                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------|
| Video/Audio Compression | H.264/G.711                                                                                  |
| Image Resolution        | 1080P/720P/960H/D1                                                                           |
| Record Rate             | Main stream:1080P/720P/960H/D1(1~25/30fps)<br>Sub stream: CIF/QCIF(1~25/30fps), D1(1~6/7fps) |
| Bit Rate                | 96Kbps ~ 6144Kbps Per Channel                                                                |
| Record Mode             | Manual, Schedule(Regular(Continuous), MD), Stop                                              |
| Record Interval         | 1~60 min (default: 60 min), Pre-record: 1~30 sec,<br>Post-record: 10~300 sec                 |

### Video Detection & Alarm

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Trigger Events  | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank                         |
| Alarm Input     | 16 channel                                                                                |
| Relay Output    | 3 channel                                                                                 |

### Playback & Backup

|                    |                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sync Playback      | 1/4/9                                                                                                                                                                 |
| Search Mode        | Time /Date, Alarm, MD and Exact Search (accurate to second)                                                                                                           |
| Playback Functions | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode        | USB Device/Network                                                                                                                                                    |

### Network

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Ethernet          | RJ-45 port (10/100M/1000M)                                                                             |
| Network Functions | HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P |
| Max. User Access  | 128 users                                                                                              |
| Smart Phone       | Android, iOS, iPhone                                                                                   |

### Storage

|              |                                 |
|--------------|---------------------------------|
| Internal HDD | 2 SATA Port, up to 8TB capacity |
| External HDD | N/A                             |

### Auxiliary Interface

|       |                         |
|-------|-------------------------|
| USB   | 2 USB Ports (2 USB 2.0) |
| RS232 | N/A                     |
| RS485 | 1 Port, for PTZ Control |

### General

|                     |                                      |
|---------------------|--------------------------------------|
| Power Supply        | DC12V/5A                             |
| Power Consumption   | 15W(without HDD)                     |
| Working Environment | -10°C ~+55°C / 10%~90%RH / 86~106kpa |
| Dimensions (W×D×H)  | 1U, 375mm×285mm×55mm                 |
| Net Weight          | 2.35KG(without HDD) (5.1 lb)         |

### Certifications

|                |                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications | CE: CE-LVD: EN 60950-1/IEC 60950-1CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024<br>UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07<br>FCC: Part 15 Subpart B<br>UL: UL 60950-1 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Dimensions (mm/in)

